



C o u n t y o f S a n L u i s O b i s p o  
**GENERAL SERVICES AGENCY**

Janette D. Pell, Director

Helen McCann, Department Administrator

**INVITATION TO BID #3518-11  
DUMP/PATCH TRUCK**

January 12, 2011

The County of San Luis Obispo is currently soliciting bids for a new and unused 5-Yard Dump/Patch Truck with Self Loading Front End Loader, as noted.

Each bid shall specify each and every item as set forth in the attached specifications. Any and all exceptions must be clearly stated in the bid. Failure to set forth any item in the specifications shall be grounds for rejection. The County of San Luis Obispo reserves the right to reject all bids and to waive any informalities.

Please submit your bids on the attached form. They must be received at the office of the General Services Department no later than 3:00 p.m., February 8, 2011.

Any and all comments and suggestions are sincerely encouraged prior to the bid opening.

BARBARA ADAMS  
Buyer – GSA Purchasing  
beadams@co.slo.ca.us

**DUMP/PATCH TRUCK**

**TO: ALL PROSPECTIVE BIDDERS**  
**SUBJECT: LOCAL BIDDERS PREFERENCE**

The County of San Luis Obispo has established a local vendor preference. All informal and formal bids for contracts will be evaluated with a 5% preference for local vendors. Note the following exceptions:

1. Those contracts which State Law requires be awarded to the lowest responsible bidder.
2. Public works construction projects.

A "local" vendor will be approved as such when, 1) It conducts business in an office with a physical location within the County of San Luis Obispo; 2) It holds a valid business license issued by the County or a city within the County; and 3) Business has been conducted in such a manner for not less than six (6) months prior to being able to receive the preference.

As of March 3, 1994 individual County Buyers evaluate bids considering the local vendor preference described above. The burden of proof will lie with bidders relative to verification of "local" vendor preference. Should any questions arise, please contact a buyer at (805) 781-5200. All prospective bidders are encouraged to quote the lowest prices at which you can furnish the items or services listed in County bids.

	YES	NO
Do you claim local vendor preference?		
Do you conduct business in an office with a physical location within the County of San Luis Obispo?		
Business Address: _____ _____		
Years at this Address: _____		
Does your business hold a valid business license issued by the County or a City within the County?		
Name of Local Agency which issued license: _____		

Business Name: \_\_\_\_\_

Authorized Individual: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Dated: \_\_\_\_\_

**DUMP/PATCH TRUCK****TO: ALL PROSPECTIVE BIDDERS****SUBJECT: POLICY ON PURCHASING PRODUCTS MADE WITH OR CONTAINING  
CHLOROFLUOROCARBONS (CFC's)**Summary

Many products contain chlorofluorocarbons (CFC's), a known depleter of ozone in the atmosphere. Under the U.S. Clean Air Act and the Montreal Protocol on Substances That Deplete the Ozone Layer, CFC production for use in industrialized nations is to be totally phased out by January 1, 1996. There are still many products on the market that contain CFC's or are made with CFC's. The Department of General Services, purchasing staff must identify products made with or containing CFC's and purchase alternative products whenever practical and possible.

Policy

To this end, it shall be the policy of the County of San Luis Obispo that all bidders, who wish to do business with the County are required to identify all products that contain CFC's or use CFC's in the manufacturing or shipping processes. Bidders are required to identify alternative products that do not use CFC's, for possible purchase by the County.

Bidder Response

	YES	NO
Do any products offered herein contain CFC's or use CFC's in the manufacturing or shipping process?		
If yes, please offer an alternative product by copying bid forms and submitting an alternate bid. Will you offer an alternate?		
Please provide any other information that may be helpful to the County. Attachments are acceptable.		

Bidder: \_\_\_\_\_

**DUMP/PATCH TRUCK****GENERAL CONDITIONS AND INSTRUCTIONS**

1. All bids submitted by Seller to Purchaser should be submitted upon the attached bidder's form, completed and signed, (only typewritten or ink shall be accepted with no erasures or corrections unless properly authenticated by signature) in accordance with the instructions contained herein.
2. The issuance of this bid request creates no obligation on the part of the County and the County reserves the unconditional right at its option to either reject all bids or waive any irregularities or informalities therein. Each bid shall be in a separate sealed envelope with the bid number, name of bidder, title of the bid, date and time due showing on the outside of the envelope.
3. All prices must be firm for 45 days from the date of the bid opening and be inclusive. Upon award, prices will be in effect for the term of the contract.
4. If you offer any prompt payment discounts, please indicate this on your bid.
5. Awards will be made to realize the greatest savings to the County.
6. Submission of a signed bid will be interpreted to mean that the bidder has thereby agreed to all conditions, instructions, descriptions and specifications contained herein.
7. All materials included in the contract shall be in compliance with all Federal and State OSHA laws.
8. All applicable City, State, and Federal taxes and fees are to be included in the proposal.
9. The only terms that will be honored are those terms included in general and special conditions and instructions, purchase order or other documents issued by the County.
10. In the event of any conflicts or ambiguities between these instructions and State or Federal laws, regulations or rules, then the latter shall prevail.
11. Only one bid will be accepted per vendor.
12. Bidders may withdraw their bid either personally, by written request, or by telegraphic request confirmed in the manner specified above at any time prior to the scheduled closing time for receipt of bids. No bidder may withdraw their bid after the time set for the opening.
13. All time limits stated are of the essence. Any bids received after closing time stipulated will be returned unopened.

**DUMP/PATCH TRUCK**

14. All bids must be submitted in a manner so they can be readily hole punched and placed in a standard legal size file folder.
15. The County may make partial payments after a substantial portion of the merchandise has been delivered. On all items, a 10% retention will be withheld until all merchandise has been accepted.
16. Brand names are used to establish a level of quality only. Any alternates must be approved five (5) days prior to the bid opening date, by the Buyer, who will have the sole right to make the determination. If an alternate is submitted without going through the above- described process, the County will have the sole right to decide whether or not an alternate is acceptable.
17. Vendor agrees that it will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin and that it will comply with the "Contractor's Agreements" provisions of Presidential Executive Order No. 11246.
18. **NO FAXED** Bids will be accepted.
19. Return bid by February 8, 2011 at 3:00 p.m. to:

COUNTY OF SAN LUIS OBISPO  
GENERAL SERVICES AGENCY  
BARBARA ADAMS, BUYER  
1087 SANTA ROSA STREET  
SAN LUIS OBISPO, CALIFORNIA 93408

## DUMP/PATCH TRUCK

## SPECIFICATIONS FOR A SINGLE AXLE

## 5-YARD DUMP TRUCK WITH FRONT END LOADER

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 Replacing: Equipment Number 71-0267

Quantity: One

It is the intent of these specifications to describe a 5 yard dump truck with self loading front end loader with pressurized emulsion tank, suitable for the road patching demands of the Public Works Department of the County of San Luis Obispo. The complete truck must be of the latest model and carry the manufacturer's new equipment warranty.

Quality, construction details, performance characteristics and price quotations will be analyzed and the dump truck which best serves the interest of the County may be purchased. The County specifically reserves the right to reject any or all proposals.

All equipment and accessories shall meet OSHA, MSHA, Calif. Air Resources Board and California Highway Patrol regulations.

Minor deviations from these specifications may be acceptable provided that the operating characteristics and capabilities of the unit or its components are not adversely affected. **Such deviations are to be clearly indicated in the deviations column below.**

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**1.0 DIMENSIONS AND CAPACITY:****Deviations**

GVW: 33,000 lb's. Minimum

Wheel base: 150" approximately.

Cab to Axle: 84"

 Chassis: a. section modulus; 17", minimum  
 b. RBM of 1,000,000 in-lbs., approximate
**2.0 POWER TRAIN:**
 2.1 Engine: six cylinder electronically controlled, diesel  
 in line engine, rated at no less than 260 net horsepower.

Emissions: 2010 EPA/CARB Emission Certification

**No Credits Accepted**

Engine to be programmed as follows:

A maximum road speed of 65 MPH.

Cruise control.

 PTO control to allow a maximum engine speed of  
 1500 RPM with PTO engaged.

Maximum cruise control speed at 65 MPH

PTO to be interfaced to engine.

**3.0 AXLES AND SUSPENSION:****Deviations**

3.1 Front axle: Rating 12,000 lbs. - Minimum

- a. Shock absorbers: Heavy duty

3.2 Front springs: Tapered leaf type

- a. capacity: 12,000 lbs. - Minimum

3.3 Rear Axle: Single speed unit of 21,000 lb. rating.

- a. Ratio: approximately 6.14:1

3.4 Rear Springs: Tapered leaf type

- a. Capacity: 21,000 lbs. - Minimum

**4.0 BRAKES:**

4.1 Service: A full air brake system shall be provided.

- a. All wheels to be fitted with outboard mounted drums and Rockwell, S cam, quick change type shoes.
- b. Compressor: shall be 13 cfm minimum.
- c. Air dryer: desiccant type, spin-on cartridge style, Such as "Bendix model AD-SP."
- d. Wet-tank: fitted with pull cord type tank drains.
- e. Front Brakes: 15"X4", with 20sq" chambers
- f. Rear brakes: 16.5"X7" , with 30sq" and MGM chambers

4.2 Parking brakes:

- a. Air actuated, spring operated emergency brake system shall be provided. System to be operable manually from a valve located on the dashboard in the cab and automatically when the service brake air system the system pressure falls below 30 psi.

**5.0 TIRES AND WHEELS:**

Front Hubs: Oil bath type with sight window

Wheels: single piece, heavy duty, hub piloted with flange type nuts, 10 hole steel disc type.

Tires: shall be radial tubeless type 11R22.5, load range "G."

**6.0 EXHAUST SYSTEM: 2011 CARB APPROVED**

Vertical exhaust on the right side of truck turnout facing outside of vehicle.

**7.0 ELECTRICAL:**

- a. Alternator: 160 Amp. minimum with dual or flat belt drive.
- b. Batteries: 2-1850 cold cranking amps minimum
- c. Lights: California legal.
- d. Beacon: Rotating amber beacon light to be mounted on cab shield with control switch on dash.

**DUMP/PATCH TRUCK****Deviations**

- e. Warning lights: to include strobe lights on sides of cab shield and programmable directional arrow under front of cab shield
- f. Work Lights on top rear corners of bed

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**8.0 Cab and Miscellaneous:**

- a. Hoses: cooling system to have silicon hoses.
- b. Gauges: Oil pressure, Coolant temp., Air pressure, Tachometer, Fuel level, voltage, Air restriction gauge, in cab
- c. Coolant: Permanent type
- d. Heater and defroster
- e. Air Conditioning: Factory Standard
- f. Mirrors: West Coast Senior with 6" convex mirrors mounted on bracket.
- g. Fuel tank: 50 gallon step tank mounted on the right side.
- h. Two front tow hooks
- i. Tilting front hood and fender assembly
- j. Cab "grab" or assist handles.
- k. Seats: Bench type, full width, vinyl
- l. Horn: Air type
- m. Windshield wipers: Electric
- n. Back up alarm
- o. Mud Flaps: Spring mounted
- p. Front bumper: Steel, without flexible ends
- q. Radio AM/FM, factory standard

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**9.0 Surface Treatment:**

All exposed metal surfaces shall be painted with National School Bus Yellow, Polyurethane or Acrylic Urethane with a clear coat, per FED-STD-595, color; Acme color No. 85-43350-Y, except that:

- a. Working and/or lubricated joints, cylinders, etc., shall not be painted.
- b. The underside of the hood, interior of the engine compartment, and all the underside areas of the vehicle exposed to abrasion from road debris, shall be painted black or have a black permanent undercoating.
- c. Chromium and/or nickel plated surfaces shall not be painted.
- d. All other exposed metal surfaces, not readily visible, may be treated or coated with a permanent corrosion preventative, in lieu of painting.



## DUMP/PATCH TRUCK

**DUMP BED AND LOADER**

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**10.0 FRONT-END LOADER:****Deviations**

**10.1 Type:** P-B Loader model L-100Tor equal. Weight not to exceed 2,600 lbs. Designed to create down pressure to shovel.

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**10.2 Shovel with Tilting Bucket:** Capacity: minimum of 1 cubic yard.

- a. Width: minimum of 92 inches.
- b. Shovel: Tilting style, without Clam attachment, mounted on two side arms supporting it in a manner to permit its use as a scoop. Back of shovel to be designed to allow operator to "back drag" material.
- c. Cutting edge: Bolt on type with Carbide Hard Facing.
- d. Shovel Slide: Hardened steel

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**10.3 Mounting:** Arms to be straight with box girder type construction.

Side arms supporting the shovel to pivot on a point immediately in back of the truck cab and below the truck frame. Side arms may be supported on a separate frame or fastened directly to the truck frame. Loader to be hydraulically operated through a linkage system to the hydraulic cylinder control valve. Side arms to swing the shovel in an arc from ground level directly ahead of the truck, over top of cab, to a point sufficiently to the rear of the dump body to assure capacity loading.

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**10.4** Loader arms to be bolted to a solid cross shaft so as to equal the load pressure through the loader system. The arms are to be removable by bolts without removing the loader mechanisms. The greatest width of the entire loader assembly shall not exceed 105".

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**LOADER NOT TO INTERFERE WITH OPENING THE DOORS WHEN IN TRAVELING OR LOADING POSITIONS.**

**10.5 Controls:**

Cab-mounted and readily accessible to the operator from driving position for positive control of the shovel at any position. The travel of the loader shall be able to complete an arc by positioning the control one way. Doors and loader to be equipped with safety switches to prevent loader operation with doors open.

**10.6 Loader Miscellaneous:**

Operating cycle not to exceed ten seconds.

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One 8"dia. double-acting cylinder to operate loader.

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Unit to be furnished complete and mounted on truck chassis with pump and power take off suitable for continuous duty.

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**DUMP/PATCH TRUCK****Deviations**

Cab shield: Full length cab protector attached to the dump body with heavy duty bracing rigidly supporting unit to dump bed.

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Cab shield to be designed to clear all portions of cab under normal working conditions

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All of manufacturer's standard equipment to be furnished and included.  
The component parts of the loader unit to be proper size and design to safely lift a maximum load of 3,000 pounds.

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**11.0 BITUMINOUS SPRAY UNIT:****11.1 Bituminous unit:**

Unit to be completely assembled, mounted on the truck chassis and ready for operation. It shall consist of a storage tank, necessary hoses, spray wand and heating unit per attached drawing. Bituminous unit to be air operated from trucks air system.

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**11.2 Heating Unit:**

The asphaltic emulsion storage tank to provide a heat transfer system using coolant from the engine cooling system with heat controls to provide an asphaltic emulsion temperature range of 75° to 125° F through an ambient atmospheric temperature range of 30° to 95° F.

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**11.3 Hose and Spray Wand:**

Bituminous hose to be heavy duty, **25 feet long x 3/4" dia.**  
Hose shall be **mounted on right side of the vehicle via a retractable hose reel** mounted behind rear wheel and in front of shoveling apron.

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Hose and spray wand to manufacturer's standard and type for road maintenance patching operation.

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Spray control shall have a manually operated shut off to eliminate dripping. Control to be located in the operator's spray unit.

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**12.0 SHOVELING APRON:**

12.1 Shoveling apron to be mounted on rear of truck. Apron pan shall be not more than 26" above ground level at rear most portion of pan.

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12.2 Apron to be constructed with folding type bottom to allow material to bypass freely when folded up. In down position, part of the load may be dumped onto the apron.

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**DUMP/PATCH TRUCK****Deviations**

- 12.3 Apron to be full dump body width with ½ cubic yard struck capacity, constructed of 3/16" hot rolled steel with full width angle iron bracing across bottom shelf and backboard. The shoveling apron shall be removable by removing four mounting bolts.
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**13.0 DUMP BODY AND HOIST:**

- 13.1 Body shall be fully welded, 10 feet long, 6 foot inside width and 26" high sides with a five cubic yard water level and six cubic yard ends. Construction shall be of 10 gauge hi-tensile steel sides and ends with 3/16 inch mild steel floor.

Side to floor shall be radiused, outside shall have a sloped body rubrail and tailgate surfaces with three vertical bolsters per side and a full cab shield.

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- 13.2 Tailgate to be double acting, air actuated with spreader chains to hold gate partially closed.
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Top of sides shall be fitted with 2½" wide pockets to hold 2"x 6" side boards.

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- 13.3 Shovel holders: Tailgate to be fitted with holders for two brooms and two shovels as shown in below pictures.

13.4 Hoist:

- a. Twin arm single cylinder underbody type, NTEA rated at class 40 minimum with cylinder displacement of approximately 850 cubic inches.
  - b. Pump displacement shall be approximately 16 GPM @ 1,000 RPM.
  - c. Pump and power take off shall be one unit air or electrically operated and mounted directly to the transmission.
  - d. Hydraulic system shall include a 16 gallon tank with return line filter mounted on frame.
  - e. PTO control shall be conveniently mounted in cab of truck with indicator lights to show operation. PTO shall be interfaced with electronic engine controls to access engine computer.
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Please refer to accompanying pictures for details of construction and layout of Bed, Apron, Loader and emulsion system.

**MISCELLANEOUS****14.0 GENERAL:**

- 14.1 Publications: One copy, of the parts books or (CD ROM if available), service manuals, operator's manuals and other pertinent materials covering the entire unit and any added options shall be furnished.

**DUMP/PATCH TRUCK**

14.2 Maintenance Kit: Vendor is to supply 1 complete set of Original Equipment Manufacturers filters for maintenance of truck and loader/patching unit. The filters are to include, but not be limited to 1 each:

- a. Engine Oil Filter
- b. Primary and Secondary Fuel Filters
- c. Coolant conditioner
- d. Transmission filters
- e. Hydraulic filter
- f. Emulsion strainer with gasket for emulsion tank

The unit shall be delivered completely assembled and ready to operate as a cab and chassis unit. Upon final delivery, dealer shall provide demonstration of machine operation, safety features and other pertinent information. All equipment cataloged as standard to be furnished and included in purchase price of unit.

The component parts of the unit shall be of proper size and design to safely withstand maximum stresses imposed by a capacity load.

Only the latest models in current production which are cataloged by the manufacturers, and for which manufacturer's published literature and printed specifications are currently available, will be considered.

Bids will be considered only on equipment represented by a reliable manufacturer with a California distributor capable of providing timely service and parts. Dealer shall stock or be able to provide at least 90% of original equipment parts within 48 hours of order.

An original "Dealer's Report of Sale", signed by a responsible officer of the vendor with the title of the signer also indicated, shall be furnished promptly to consignee at time of delivery of unit covered by these specifications. The vendor shall, for the purpose of registration, supply a "certified weight slip," indicating the weight of the entire truck.

**17.0 DELIVERY:**

The completed unit shall be delivered to the County ready to operate. The truck shall be considered delivered at the time it arrives at the county operation center for inspection by the Fleet Manager and is found to comply with these written specifications.

Delivery time of the truck, may be a key consideration in the award of the purchase order. In terms of days based on straight calendar days, vendors are instructed to quote their best delivery time for the truck bid. The truck selected for purchase shall be delivered on or before the number of calendar days quoted by the successful vendor.

**Three sets of keys shall be furnished with vehicle** \_\_\_\_\_

Complete unit shall be delivered to the Fleet Services 1355A Kansas Ave. San Luis Obispo Any questions regarding delivery or construction shall be directed to the Fleet Manager, Scott Wetmore at 805-781-5288. Contact Scott 24 hours prior to delivery.

**VIEWS OF TYPICAL PATCH TRUCK ARRANGEMENT**

Note: loading bucket is to be tilting style, pictures show standard bucket.

Detail of fold up patch pan and shovel holders.



Specifications require a horizontal exhaust.  
Unit shown has vertical exhaust.



**DUMP/PATCH TRUCK**

The undersigned agrees to:

Deliver F.O.B. San Luis Obispo to Public Works Facility, 1355B Kansas Avenue, the Dump Truck itemized below, and in accordance with Specifications attached. Unless otherwise stated all equipment to be new and unused of the latest model year and all attachments shall be designated to be compatible with the other equipment proposed.

All equipment and accessories shall comply with the applicable State and Federal Codes, Regulations and Requirements.

Equipment shall be delivered serviced and ready to operate.

DESCRIPTIVE LITERATURE WITH COMPLETE SPECIFICATIONS MUST ACCOMPANY ALL BIDS. DEVIATIONS TO ATTACHED SPECIFICATIONS MUST BE CLEARLY INDICATED. NO DEVIATIONS UNLESS SPECIFIED IN SPECIFICATION SHEET OR BELOW.

QTY.	UNIT	DESCRIPTION	COST
1	Each	5-YARD DUMP/PATCH TRUCK WITH SELF LOADING FRONT END LOADER per attached Specification: Make _____ Model _____ Year of Mfg. _____	
		Sales Tax @ 8.25%	
		Shipping	
		<b>TOTAL OF ALL CHARGES</b>	

TERMS OF SALE \_\_\_\_\_

DATE OF DELIVERY \_\_\_\_\_

Authorized Official Name (Print) \_\_\_\_\_

Authorized Official Title (Print) \_\_\_\_\_

Signature \_\_\_\_\_

Firm Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone \_\_\_\_\_ FAX \_\_\_\_\_

Federal Taxpayer ID# \_\_\_\_\_

☐ Individual/Sole Proprietor ☐ Corporation ☐ Partnership ☐ Other

BIDS MUST BE RECEIVED BY 3:00 P.M., FEBRUARY 8, 2011 AND  
WILL BE OPENED IN THE OFFICE OF THE GENERAL SERVICES DEPARTMENT

Bid #3518-11